

CLAIMS

I claim:

1. A guide for stabilizing a saw blade, said guide comprising:
a guide block having a first surface for engaging a surface of a saw blade
and a second opposing surface;
a threaded shaft extending outwardly from said second surface of said
guide block, said threaded shaft having a first end rotatably engaging said guide
block;
a securing nut threadably engaging an outer threaded surface of said
threaded shaft, said securing nut being rotatable with respect to said threaded shaft
such that a surface of the securing nut engages the second surface of said guide
block upon rotation into engagement therewith thereby rendering the threaded
shaft nonrotatable in relation to the guide block.
2. The guide of claim 1 wherein said guide block comprises:
a base plate having a top surface and a bottom surface; and
an insert disposed on said bottom surface of said base plate, said insert
having an upper surface in engagement with said bottom surface of said base plate
and a lower surface for engaging a surface of a saw blade.
3. The guide of claim 2 further comprising one or more fasteners for securing said
insert to said base plate.

4. The guide of claim 3, wherein said one or more fasteners extend from the bottom surface of the base plate into an upper surface of said insert.
5. The guide of claim 4, wherein said one or more fasteners pass through corresponding one or more openings in said base plate.
6. The guide of claim 5, wherein said one or more fasteners are threaded fasteners and said insert includes one or more corresponding threaded opening for receiving said threaded fasteners.
7. The guide of claim 1, wherein said guide block is bi-metallic, the metallic material of said bi-metallic guide block proximal to the first surface thereof being harder than the metallic material proximal to the second surface thereof.
8. The guide of claim 7, wherein the metallic material proximal to the first surface thereof is chromium-carbide.
9. The guide of claim 8, wherein the metallic material proximal to the first surface thereof is austenitic chromium-carbide.

10. A guide for stabilizing a saw blade, said guide comprising:

a base plate having a top surface and a bottom surface;
a threaded shaft extending outwardly from said top surface of said base plate, said threaded shaft having a first end rotatably engaging said base plate;
an insert disposed on said bottom surface of said base plate; and
means for selectively non-rotatably engaging the base plate and threaded shaft.

11. The guide of claim 10, wherein said insert is bi-metallic such that the metallic material of said bi-metallic insert proximal to a lower surface thereof is harder than the metallic material proximal to an upper surface thereof.
12. The guide of claim 11, wherein the metallic material proximal to the lower surface thereof is chromium-carbide.
13. The guide of claim 10 further comprising one or more fasteners extending through one or more corresponding openings in said base plate and into said upper surface of said insert for securing said insert to said base plate.

14. A metallic insert for a saw blade guide for stabilizing a saw blade, said insert comprising a bi-metallic guide block wherein the metallic material of said bi-metallic guide block proximal to a first blade engaging surface thereof is harder than the metallic material proximal to a second guide engaging surface.

15. The insert of claim 14, wherein the metallic material proximal to the first blade engaging surface thereof is austenitic chromium-carbide.

16. The insert of claim 15, wherein the bi-metallic material proximal to the second guide engaging surface thereof is carbon steel.

17. The insert of claim 14, wherein the second guide engaging surface of said bi-metallic guide block is connected to a base plate of the saw blade guide by one or more fasteners.

18. The insert of claim 17, wherein said one or more fasteners extend from a bottom surface of the base plate into the second guide engaging surface of said guide block.

19. The insert of claim 18, wherein said one or more fasteners pass through corresponding one or more openings in said base plate.

Sub 20.
The insert of claim 19, wherein said one or more fasteners are threaded fasteners and said guide block includes one or more corresponding threaded opening for receiving said threaded fasteners.